[redacted] - [redacted] FINAL

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* FOCUS REPORT *
* New Chemicals Program *
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Written by XVL

PART I: BACKGROUND

FOCUS DATE: 04/20/95 FOCUS CHAIR: M. Howard

COMPANY: E. I. Dupont de Nemours

CASE NUMBER(S): P95-0979 through P95-0981

PART II: SAT RESULTS

HEALTH: 2-3	ECOTOX: 3	OCCUPATIONAL EXPOSURE: 1-2	CONSUMER EXPOSURE: 0-1	ENVIRONMENTAL RELEASE: 0-1

PART III: OTHER FACTORS [redacted]

a. PRODUCTION VOLUME: [redacted] KG/YR

b. USE:

Chemical intermediate [redacted]

c. REGULATORY HISTORY:

RELATED CASES: [redacted]

d. TEST DATA:

submitted test data for an analog: [redacted] rat acute oral LD > 60 mg/kg and liver toxicity at 12 mg/kg; rabbit acute dermal ALD = 130 mg/kg; rat acute inhalation (6h/d/14d) test reported liver toxicity > 5 ppb; rat 14-d oral toxicity test reported liver toxicity at 0.6 mg/kg/d; and dog acute oral reported liver toxicity at 4 mg/kg;

PART IV: SUMMARY OF SAT ASSESSMENT:

FATE: Water solubility is dispersible; log Kow = x.x (0979), x.x (0980), x.x (0981) via (CLOGP for free acid), and 3.7 (0979), 4.9 (0980), >7.0 (0981) via (SRC for free acid); low sorption; POTW removal = [redacted] vapor pressure < 10E-6 torr; ultimate biodegradation > months.

HEALTH: Absorption poor thru skin based on analogs; 0979 good thru GI, but 0980 and 0981 moderate thru GI based on analogs; and good thru lungs based on physical/chemical properties; concern for liver toxicity based on [redacted]; concern for developmental toxicity based on [redacted]; concern for lung

toxicity if inhaled due to surfactancy; uncertain concern for cardiac sensitization and neurotoxicity; no concern for oncogenicity;
moderate-high concern.

ECOTOX: 0979: Predicted toxicity values are:

fish 96-h LC50	<	200.0	mg/L
daphnid 48-h LC50	<	30.0	mg/L
green algal 96-h EC50	<	10.0	mg/L
fish Chronic Value (ChV)	<	20.0	mg/L
daphnid ChV	<	3.0	mg/L
algal ChV	<	1.0	mg/L

based on SARs for [redacted]
pH 7, hardness <180.0 mg/L as CaCO3;
moderate concern;
concern concentration (CC) = 0.100 mg/L.

0980: Predicted toxicity values are:

fish 96-h LC50	<	60.0	mg/L
daphnid 48-h LC50	<	3.0	mg/L
green algal 96-h EC50	<	12.0	mg/L
fish Chronic Value (ChV)	<	6.0	mg/L
daphnid ChV	<	0.300	mg/L
algal ChV	<	1.0	mg/L

based on SARs for [redacted]
pH 7, hardness <180.0 mg/L as CaCO3;
moderate concern;
concern concentration (CC) = 0.030 mg/L.

0981: Predicted toxicity values are:

fish 96-h LC50	<	11.0	mg/L
daphnid 48-h LC50	<	0.300	mg/L
green algal 96-h EC50	<	30.0	mg/L
fish Chronic Value (ChV)	<	1.0	mg/L
daphnid ChV	<	0.030	mg/L
algal ChV	<	3.0	mg/L

based on SARs for [redacted]
pH 7, hardness <180.0 mg/L as CaCO3;
high concern;
concern concentration (CC) = 0.003 mg/L.

PART V: SUMMARY OF EXPOSURE/RELEASE:

MSDS: [redacted]

[redacted]

[redacted]

PART VI: FOCUS DECISION AND RATIONALE:

Disposition: 71 See Rationale

RATIONALE:

The PMN substances will be regulated under 5(a)(2) SNURs. The SNURs will

be issued to restrict production of the PMN substances to liquid form only and prohibit any release to water. No other uses have been identified but are possible. Although the MSDS recommends gloves for dermal exposures to workers (concerns for dermal exposures are based on 8(e) data), a letter will be sent to the submitter which will also recommend the use of gloves and warn of the PMN substances' corrosive nature. The PMN substance is expected to be persistent and toxic in the environment, but there are no releases to water expected for P95-979 through P95-981.

***** END of Focus Report for P95-0979 *****